



EUROPEAN COMMISSION
HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Director General

SANCO/10223/2013

*Programmes for the eradication, control and monitoring of certain
animal diseases and zoonoses*

Eradication and monitoring programme for Bluetongue

Luxembourg

Approved* for 2013 by Commission Decision 2012/761/EU

* in accordance with Council Decision 2009/470/EC

Standard requirements for the submission of programme for eradication, control and monitoring

version : 2.2

1. Identification of the programme

Member state : LUXEMBOURG (GRAND-DUCHE)

Disease : Bluetongue in endemic or high risk areas

Species : Bovines and sheep and goats

This program is multi annual : no

Request of Union co-financing from
beginning of :

2013

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1.1 Contact

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2. Historical data on the epidemiological evolution of the disease

Provide a concise description on the target population (species, number of herds and animals present and under the programme), the main measures (sampling and testing regimes, eradication measures applied, qualification of herds and animals, vaccination schemes) and the main results (incidents, prevalence, qualification of herds and animals). The information is given for distinct periods if the measures were substantially modified. The information is documented by relevant summary epidemiological tables (point 6), complemented by graphs or maps (to be attached).

(max. 32000 chars) :

début de l'épidémie de blue tongue concernant les bovins, ovins et caprins: en 2007;

en 2008 et en 2009: dépistage et vaccination obligatoire de ces populations animales;

en 2010 et en 2011: échantillonnage et surveillance; plus de vaccination obligatoire, mais vaccination facultative.

à partir du 16 février 2012, le Luxembourg (Grand-duché) ne figure plus parmi les zones restreintes en ce qui concerne la blue tongue et est officiellement indemne de cette maladie.

3. Description of the submitted programme

Provide a concise description of the programme with its main objective(s) (monitoring, control, eradication, qualification of herds and/or regions, reducing prevalence and incidence), the main measures (sampling and testing regimes, eradication measures to be applied, qualification of herds and animals, vaccination schemes), the target animal population, the area(s) of implementation and the definition of a positive case.

(max. 32000 chars) :

Le programme est basé sur:

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- une surveillance clinique de la part des détenteurs et des vétérinaires qui sont responsables de l'épidémio-surveillance dans les fermes;
- sur une surveillance de la part du laboratoire de médecine vétérinaire de l'Etat qui effectue analyses sérologiques et virologiques sur des échantillons provenant des abattoirs;
- sur des échantillonnages qui ont lieu après période d'activité du vecteur;
- sur un échantillon assez grand pour détecter une prévalence de 20%;
- sur des échantillons provenant d'animaux individuels.

Le programme de surveillance sert à démontrer l'absence de certains sérotypes du virus de la blue-tongue et surtout du sérotype 8.

Subject: 2013 BLUETONGUE PROGRAMME-LUXEMBOURG

The programme submitted by your country has been evaluated by the Commission with the support of some experts from the Member States. Following the assessment there are some clarifications and additional information which is required:

Additional info required:

1. Some detail regarding the animals to be sampled in the framework of active surveillance would be desirable (criteria for selection, species, age, timing, holdings of origin, e.t.c.)

La surveillance active est basée sur 2 points:

- surveillance active à l'abattoir: il y a 2 abattoirs de bovins au Luxembourg; les animaux qui y sont abattus proviennent de tout le pays. Les échantillons pour les analyses sérologiques sont pris sur des bovins non vaccinés âgés de moins d'un an, sortis en prairie pendant la période de vol des culicoïdes au mois de novembre.
- surveillance active dans les fermes: En 2010, 2011 un échantillonnage a été réalisé au niveau des fermes et effectué par des vétérinaires praticiens sur des bovins nés à partir du 1er mars, non vaccinés et qui n'étaient jamais en contact avec la maladie. Cet échantillonnage se fait après la période de vol du vecteur au mois de novembre. Il sera également réalisé en 2012 et 2013.

2. Some details on passive surveillance would be desirable too.

La BT est une maladie à déclaration obligatoire; en plus, au Luxembourg il existe un système d'épidémiosurveillance avec un vétérinaire par ferme et qui fait deux rapports par an. S'il y avait des problèmes dans les exploitations concernant entre autres la BT, ces vétérinaires praticiens en informeraient l'Administration des Services Vétérinaires dans les plus brefs délais.

3. No information could be traced regarding entomological surveillance (if any).

La surveillance des insectes n'est pas réalisée au Luxembourg.

4. the efficiency could be improved if the sampling scheme considers some risk analysis. No information is provided regarding when the sampling is going to be carried out neither the vector activity period.

They only mention that sampling will be performed several times year.

pas d'analyse de risque; l'échantillonnage se fait surtout après la période de vol du vecteur. En l'absence d'informations scientifiques sur la prévalence escomptée pour la population cible (180000), la taille de l'échantillon qui a été calculée de manière à permettre la détection d'une prévalence de 20% (intervalle de confiance de 95%) s'élève à 246.

5. The programme may be more cost-effective if consider the vector free period to carry out the surveillance, however no information is provided regarding vector free period neither vector surveillance.

Il n'y a pas de surveillance du vecteur lui-même, mais le schéma de l'échantillonnage tient compte de la période de l'année où volent les vecteurs.

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6. The sampling is intended to be carried out in slaughterhouses, therefore some susceptible population might not be included (i.e. dairy bovine). Further explanation should be given regarding the representativeness of the active surveillance target population.

cf. point 1

7. Are there plans to test sentinel animals on the field too? Information should be provided regarding the sentinel animals. They should be antibody- negative (non vaccinated and never in contact with disease) . The information provided in the programme is just as bullet points and it is not explained properly.(point 3).

En 2010, 2011 et en 2012 déjà, un échantillonnage a été réalisé au niveau des fermes et effectué par des vétérinaires praticiens sur des bovins non vaccinés et qui théoriquement n'étaient jamais en contact avec la maladie. Cet échantillonnage se fait après la période de vol du vecteur. Il sera également réalisé en 2013. On n'a pas d'animaux sentinelles à proprement parler, mais les animaux qui entrent dans le plan d'échantillonnage peuvent être considérés comme sentinelles.

Furthermore, with respect to lab testing the methods listed under section 4.4.6 are the ones in use however no specific testing regime is clearly described (e.g. which test is for monitoring – confirmation e.t.c.).

Monitoring: Laboratoire de médecine vétérinaire de l'Etat; test: Ag.: RT-PCR

Confirmation: Laboratoire de médecine vétérinaire de l'Etat; test: Ag.: RT-PCR

4. Measures of the submitted programme

4.1 Summary of measures under the programme

Duration of the programme : 2013

First year :

- Control
- Testing
- Slaughter and animals tested positive
- Killing of animals tested positive
- Vaccination
- Treatment
- Disposal of products
- Eradication, control or monitoring

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4.2 Organisation, supervision and role of all stakeholders involved in the programme

Describe the authorities in charge of supervising and coordinating the departments responsible for implementing the programme and the different operators involved. Describe the responsibilities of all involved.

(max. 32000 chars) :

L'Administration des Services Vétérinaires du Ministère de l'Agriculture est compétente pour l'application du programme.

4.3 Description and demarcation of the geographical and administrative areas in which the programme is to be implemented

Describe the name and denomination, the administrative boundaries, and the surface of the administrative and geographical areas in which the programme is to be applied. Illustrate with maps.

(max. 32000 chars) :

Tout le pays. (2586 Km2)

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4.4 Description of the measures of the programme

A comprehensive description needs to be provided of all measures unless reference can be made to Union legislation. The national legislation in which the measures are laid down is mentioned.

4.4.1 Notification of the disease

(max. 32000 chars) :

L'Administration des Services Vétérinaires est responsable de la notification de la maladie.

4.4.2 Target animals and animal population

(max. 32000 chars) :

Bovins, ovins, caprins

4.4.3 Identification of animals and registration of holdings

(max. 32000 chars) :

- selon le règlement grand-ducal du 6 mai 2004 concernant l'identification et l'enregistrement des animaux des espèces ovine et caprine;
 - selon la décision 2010/280/UE en ce qui concerne l'enregistrement électronique des ovins et caprins;
 - selon le règlement grand-ducal du 22 avril 1999 concernant l'identification et l'enregistrement des animaux domestiques en ce qui concerne les bovins.

4.4.4 Qualifications of animals and herds

(max. 32000 chars) :

officiellement indemne

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4.4.5 Rules of the movement of animals

(max. 32000 chars) :

règlement grand-ducal du 22 avril 1999 portant mesures d'application du règlement(CE) n° 820/97 du Conseil du 21 avril 1997 en ce qui concerne l'identification et l'enregistrement des bovins;

4.4.6 Tests used and sampling schemes

(max. 32000 chars) :

Elisa: détection d'anticorps sur sérum;
RT-P.C.R.
Isolement viral;
Séroneutralisation.

4.4.7 Vaccines used and vaccination schemes

(max. 32000 chars) :

pas de vaccination

4.4.8 Information and assessment on bio-security measures management and infrastructure in place in the holdings involved.

(max. 32000 chars) :

guides de bonnes pratiques

4.4.9 Measures in case of a positive result

A short description is provided of the measures as regards positive animals (slaughter, destination of carcasses, use or treatment of animal products, the destruction of all products which could transmit the disease or the treatment of such products to avoid any possible contamination, a procedure for the disinfection of infected holdings, the therapeutic or preventive treatment chosen, a procedure for the restocking with healthy animals of holdings which have been depopulated by slaughter and the creation of a surveillance zone around infected holding)

(max. 32000 chars) :

vaccination

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4.4.10 Compensation scheme for owners of slaughtered and killed animals

(max. 32000 chars) :

suivant le règlement grand-ducal du 14 avril 1992 fixant les modalités d'indemnisation des détenteurs d'animaux éliminés pour cause de maladies contagieuses et soumises à déclaration obligatoire.

4.4.11 Control on the implementation of the programme and reporting

(max. 32000 chars) :

Les Vétérinaires officiels de l'Administration des Services Vétérinaires veillent à la réalisation du programme.

5. Benefits of the programme

A description is provided of the benefits for farmers and society in general

(max. 32000 chars) :

- détection précoce de toute réapparition du virus;
- démonstration de l'absence de circulation virale;
- éviter des pertes économiques importantes au secteur.

6. Data on the epidemiological evolution during the last five years

Data already submitted via the online system for the years 2007 - 2010:

yes

6.1 Evolution of the disease

Evolution of the disease :

Not applicable Applicable...

6.1.1 Data on herds for year : 2011

Region	Animal species	Total number of herds	Total number of herds under the programme	Number of herds checked	Number of positive herds	Number of new positive herds	Number of herds depopulated	% positive herds depopulated	% herds coverage	Indicators		
										% positive herds Period herd prevalence	% new positive herds Herd incidence	
tout le pays	Bovines	1 525	1 525	92	0	0	0		6,033			X
tout le pays	Sheep	800	800	31	0	0	0		3,875			X

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Total		2 325	2 325	123	0	0	0	0	5,29	
Add a new row										

6.1.2 Data on animals for year : **2 011**

Region	Animal species	Total number of animals	Number of animals to be tested under the programme	Number of animal tested	Number of animals tested individually	Number of positives animals	Slaughtering			Indicators	
							Number of animals with positive result slaughtered or culled	Total number of animals slaughtered	% coverage at animal level	% positive animals Animal prevalence	
tout le pays	Bovines	187 066	187 066	450	450	0	0	0	0,241	0	X
tout le pays	Sheep	12 200	12 200	9	9	0	0	0	0,074	0	X
Total		199 266	199 266	459	459	0	0	0	0,23	0	
ADD A NEW ROW											

6.2 Stratified data on surveillance and laboratory tests

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6.2.1 Stratified data on surveillance and laboratory tests for year : **2011**

Region	Animal Species	Test Type	Test Description	Number of samples tested	Number of positive samples
tout le pays	Bovine	serological test	Elisa-AC	375	0
tout le pays	Sheep	serological test	Elisa-AC	3	0
tout le pays	Bovine	microbiological or virological te	P.C.R.	75	0
tout le pays	Sheep	microbiological or virological te	P.C.R.	6	0
Total				459	
ADD A NEW ROW					

6.3 Data on infection

Data on infection Not applicable Applicable...

6.4 Data on the status of herds

Data on the status of herds :

Not applicable

Applicable...

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6.5 *Data on vaccination or treatment programmes*

Data on vaccination or treatment programmes is *Not applicable* *Applicable...*

6.6 *Data on wildlife*

Data on Wildlife is: *Not applicable* *Applicable...*

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7. Targets

The blocks 7.1.1, 7.1.2.1, 7.1.2.2, 7.2, 7.3.1 and 7.3.2 are repeated multiple times in case of first year submission of multiple program.

7.1 Targets related to testing (one table for each year of implementation)

7.1.1 Targets on diagnostic tests for year : **2013**

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests
tout le pays	Elisa -AC	Bovines	serum	surveillance	250 X
tout le pays	P.C.R.	Bovines	blood	confirmation of suspected cases	50 X
tout le pays	Elisa -AC	Sheep and goat	serum	surveillance	30 X
tout le pays	P.C.R.	Sheep and goat	blood	confirmation of suspected cases	10 X
Total					340
Add a new row					

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7.1.2 Targets on testing herds and animals

7.1.2.1 Targets on testing herds *Not applicable* *Applicable...*

7.1.2.2 Targets on testing animals *Not applicable* *Applicable...*

7.2 Targets on qualification of herds and animals

Targets on qualification of herds and animals *Not applicable* *Applicable...*

7.3 *Targets on vaccination or treatment*

7.3.1 *Targets on vaccination or treatment is* *Not applicable* *Applicable...*

7.3.2 *Targets on vaccination or treatment of wildlife is* *Not applicable* *Applicable...*

8. Detailed analysis of the cost of the programme for year: 2013

The blocks are repeated multiple times in case of first year submission of multiple program.

1. Testing									
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested			
Cost of analysis	Elisa (serum antibody detection)	Individual animal sample/test	280	6	1680	yes			X
Cost of analysis	PCR (animal samples)	Individual animal sample/test	60	70	4200	yes			X
Cost of analysis	pélèvement	Individual animal sample/test	280	1	280	yes			X
						Add a new row			
2. Vaccination or treatment									
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested			
						Add a new row			
3. Slaughter and destruction									
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested			
						Add a new row			
4. Cleaning and disinfection									

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Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested
					Add a new row	
5. Salaries (staff contracted for the programme only)						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
					Add a new row	
6. Consumables and specific equipment						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
					Add a new row	
7. Other costs						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
					Add a new row	
Total					6 160,00 €	

Attachments

IMPORTANT :

- 1) The more files you attach, the longer it takes to upload them .
- 2) This attachment files should have one of the format listed here : [.zip](#), [.jpg](#), [.jpeg](#), [.tiff](#), [.tif](#), [.xls](#), [.doc](#), [.bmp](#), [.pna](#).
- 3) The total file size of the attached files should not exceed 2 500Kb (+- 2.5 Mb). You will receive a message while attaching when you try to load too much.
- 4) IT CAN TAKE **SEVERAL MINUTES TO UPLOAD** ALL THE ATTACHED FILES. Don't interrupt the uploading by closing the pdf and wait until you have received a Submission Number!
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